

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 September 2000 (21.09.2000)

PCT

(10) International Publication Number
WO 00/54581 A3

- (51) International Patent Classification⁷: A01K 67/027, A61K 49/00, C12Q 1/02, 1/66, 1/68
- (21) International Application Number: PCT/US00/07296
- (22) International Filing Date: 17 March 2000 (17.03.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/124,725 17 March 1999 (17.03.1999) US
09/527,061 16 March 2000 (16.03.2000) US
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- (81) Designated States (*national*): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW. ..
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— With international search report.
- (88) Date of publication of the international search report:
26 April 2001
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: ANIMAL MODELS AND METHODS FOR SEPSIS

(57) Abstract: Methods for selecting a candidate drug for treating sepsis are disclosed. The methods involve labeling a sepsis-causing pathogen with a reporter and monitoring the progress of infection by detecting levels of the reporter in animals treated with test compounds or drugs. The comparisons may be made between experimental and control animals, as well as within a single animal or group of animals. Also disclosed is a method for predicting an expected time of death of an experimental animal in a model system of sepsis using data generated in the initial part of the experiment.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/07296

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A01K67/027 A61K49/00 C12Q1/02 C12Q1/66 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01K A61K C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CONTAG C H ET AL: "PHOTONIC DETECTION OF BACTERIAL PATHOGENS IN LIVING HOSTS" MOLECULAR MICROBIOLOGY, GB, BLACKWELL SCIENTIFIC, OXFORD, vol. 18, no. 4, 1995, pages 593-603, XP000578109 ISSN: 0950-382X cited in the application	1-5, 7-15
Y	figures 2-5	6
X	CONTAG P R ET AL: "BIOLUMINESCENT INDICATOR IN LIVING MAMMALS" NATURE MEDICINE, US, NATURE PUBLISHING, CO, vol. 4, no. 2, 1998, pages 245-247, XP000914588 ISSN: 1078-8956 cited in the application	1-5, 7-15
Y	page 246, column 1, paragraph 2	6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *Z* document member of the same patent family

Date of the actual completion of the international search

20 November 2000

Date of mailing of the international search report

04/12/2000

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INTERNATIONAL SEARCH REPORT

Intern. Patent Application No

PCT/US 00/07296

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 18841 A (UNIV LELAND STANFORD JUNIOR) 29 May 1997 (1997-05-29) cited in the application	1-5, 7-15
Y	claims 9-12, 14, 16 ---	6
Y	ARNOLD L ET AL: "Predictive value of several signs of infection as surrogate markers for mortality in a neutropenic guinea pig model of Pseudomonas aeruginosa sepsis" LABORATORY ANIMAL SCIENCE, vol. 47, no. 6, December 1997 (1997-12), pages 617-623, XP000960981 abstract ---	6
T	FRANCIS K ET AL: "Monitoring bioluminescent Staphylococcus aureus infections in living mice using a novel luxABCDE construct" INFECTION AND IMMUNITY, vol. 68, no. 6, June 2000 (2000-06), pages 3594-3600, XP002153182 the whole document ---	1-15
A	EP 0 864 648 A (SUNTORY LTD) 16 September 1998 (1998-09-16) -----	

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Information on patent family members

International Application No

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